

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: Unknown )  
)  
Filing Date: Unknown )  
)  
Priority Date: 09 December 1999 )  
)  
Applicants: MASTRANGELO, Guiseppe )  
)  
For: INSTALLATION OF DIGITAL DATA )  
RECEIVERS )

**PRELIMINARY AMENDMENT**

Assistant Commissioner For Patents  
Box: New Application  
Washington, D.C. 20231

Dear Sir:

This is a preliminary amendment to the enclosed application entitled "Installation of Digital Data Receivers" which claims priority from British Application No. 9929013.2 filed 09 December 1999.

Please amend the specification as follows:

Before the first paragraph on page 1, please insert

**--CROSS-REFERENCE TO RELATED APPLICATIONS**

This application claims priority to GB Application No. 9929013.2 filed 09 December 1999.

**BACKGROUND OF THE INVENTION--;**

On page 2, before line 3 insert the following heading:

**--SUMMARY OF THE INVENTION--;**

Page 2, line 15, change RF to (RF) and insert --radio frequency--; line 21 change "Broadcast" to --broadcast.

Page 5 before line 22 insert the following:

**--DESCRIPTION OF DRAWINGS--**

Page 5, before line 28, insert the following:

**--DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT--;**

Page 7, line 17, change "thetuner(s)" to -- the tuner(s)--; line 18, change "theperformace" to --the performance--.

Page 8, line 3, change "tolocations" to --to locations--; line 5, change "thelength" to --the length--; line 7 change "addslope" to --add slope--; line 8, change "tooptimise" to --to optimise--; line 11, change "asperformance" to --as performance--; line 14, change "soat" to --so at--; line 27 change "he" to --the--.

Page 11 after the last line add the following:

--While the invention has been described with a certain degree of particularly, it is manifest that many changes may be made in the details of construction and the arrangement of components without departing from the spirit and scope of this disclosure. It is understood that the invention is not limited to the embodiments set forth herein for purposes of exemplification, but is to be limited only by the scope of the attached claim or claims, including the full range of equivalency to which each element or step thereof is entitled. --

In the Claims:

Please amend claims 1-16 as follows:

1. (Amended) A method of installation of a receiver to receive broadcast data [(BDR)] which is broadcast to the location of the receiver, said method comprising, measuring the power level of incoming frequency signals at two predetermined spaced points on the signal band by measuring the content of [AGC (Automatic Gain Control)] automatic gain control converters within the receiver, providing an amplitude correction filter which can be selectively operated at the [RF] radio frequency input to the broadcast data receiver [BDR] to allow the correction of amplitude variations with frequency, the selective operation of the filter dependent upon and responsive to the power level measurements obtained.
2. (Amended) A method of installation according to claim 1 [characterised in that] wherein during the installation procedure obtaining the power level measurements occurs automatically and is followed by any required correction as part of an automatic installation procedure.
3. (Amended) A method of installation according to claim 1 [characterised in that] wherein two measurements are taken, referred to as the high end signal and the low end signal.
4. (Amended) A method according to claim 3 [characterised in that] wherein if [the] said high end signal level is greater than [the] said low end signal level, then no linearization via the filter is performed.

5. (Amended) A method of installation according to claim 1 [characterised in that] wherein if the relative power difference is greater than a predetermined level then the linearization circuit is [utilised] utilized to adjust the power level to [the BDR] said broadcast data receiver so that the incoming signal is within a known power range.
6. (Amended) A method of installation according to claim 1 [characterised in that the] wherein said method [utilises] utilizes the ability to use the relative signal strength rather than absolute signal strength to install the receiver.
7. (Amended) Broadcast [D]data [R]receiver [(BDR)] apparatus for receiving broadcast digital data which is transmitted and received by the apparatus and passed to the receiver via an radio frequency [RF] input from the data carrying network, said receiver [including] comprising: a linearization circuit which can be selectively activated to operate with the receiver control system upon comparison of measurements of the power levels at two predetermined points on the incoming frequency signal and, if the comparison reveals a difference which is greater than a predetermined level, the linearization circuit is activated to adjust the receiver settings during the installation procedure for the broadcast data receiver [BDR] at a location at which the same is to be subsequently used.

8. (Amended) A broadcast data receiver according to claim [8] 7 [characterised in that the] wherein said receiver is connected to a data supply network in which the data is carried by a cable network.
9. (Amended) A broadcast data receiver according to claim 8 [characterised in that the] wherein said linearization circuit is selectively activated automatically by [the] said receiver control system upon specified criteria for activation being met.
10. (Amended) A broadcast data receiver according to claim 8 [characterised in that the] wherein said linearization circuit is selectively activated by the receiver installer, upon the installer receiving an indication by visual and/or audible indication means, that the specified criteria for operation of [the] said linearization circuit have been met.
11. (Amended) A broadcast data receiver according to claim 8 [characterised in that the] wherein said linearization circuit performs cable slope correction internally in [the BDR] said broadcast data receiver and this can be applied to improve the performance of the broadcast data receiver [BDR] at the location of installation.
12. (Amended) A broadcast data receiver according to claim 11 [characterised in that] wherein the internal changes performed can include changing the values of the inductors, capacitors and/or resistors to obtain one of a number of [equalisation] equalization slopes to bring the difference between the high end signal and low end signal within a specific margin.

13. (Amended) A broadcast data receiver according to claim 12 [characterised in that] wherein the specific criteria is for a difference between [the] said high end and said low end signal values greater than 10 dB.
14. (Amended) A method of installation of a receiver to receive digital data which is broadcast to the location of the receiver, said method comprising, measuring the power level of incoming frequency signals at two predetermined spaced points on the signal band, providing means for the comparison of the measurements and if the comparison shows a value within a predetermined parameter an indication is provided to the installer and if the comparison shows a value [outwith] out with the predetermined parameter a control system in the receiver adjusts the operation of one or a combination of components within the receiver until the value is within the predetermined parameter.
15. (Amended) A method of installation according to claim 14 [characterised in that] wherein the extent and level of adjustment is made with reference to at least one algorithm in the control system.
16. (Amended) A method of installation according to claim 14 [characterised in that] wherein the components which are adjusted are [any, or any combination of] selected from the group consisting of capacitors, inductors, resistors provided as part of a circuit installed in [the BDR] said broadcast data receiver.

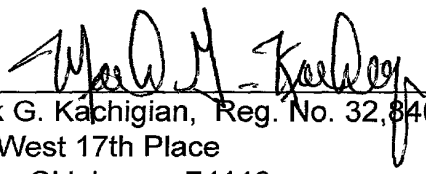
**REMARKS**

The application should now be in condition for examination, which is respectfully requested.

Respectfully Submitted

HEAD, JOHNSON & KACHIGIAN

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